

KD-Validated Anti-UBE2T Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1729**Specification****KD-Validated Anti-UBE2T Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	O9NPD8
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 23 kDa , observed , 23 kDa KDa
Gene Name	UBE2T
Aliases	UBE2T; Ubiquitin Conjugating Enzyme E2 T; HSPC150; FANCT; Cell Proliferation-Inducing Gene 50 Protein; Ubiquitin-Conjugating Enzyme E2 T; E2 Ubiquitin-Conjugating Enzyme T; Ubiquitin Carrier Protein T; Ubiquitin-Protein Ligase T; HSPC150 Protein Similar To Ubiquitin-Conjugating Enzyme; Ubiquitin-Conjugating Enzyme E2T (Putative); Ubiquitin-Conjugating Enzyme E2T; Ubiquitin Conjugating Enzyme E2T; EC 2.3.2.23; PIG50
Immunogen	A synthesized peptide derived from human HSPC150

KD-Validated Anti-UBE2T Rabbit Monoclonal Antibody - Additional Information

Gene ID	29089
Other Names	Ubiquitin-conjugating enzyme E2 T, 2.3.2.23, Cell proliferation-inducing gene 50 protein, E2 ubiquitin-conjugating enzyme T, Ubiquitin carrier protein T, Ubiquitin-protein ligase T, UBE2T

KD-Validated Anti-UBE2T Rabbit Monoclonal Antibody - Protein Information**Name** UBE2T**Function**

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in mitomycin-C (MMC)-induced DNA repair. Acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway (PubMed: [16916645](http://www.uniprot.org/citations/16916645) target="_blank">16916645, PubMed: [17938197](http://www.uniprot.org/citations/17938197) target="_blank">17938197, PubMed: [19111657](http://www.uniprot.org/citations/19111657) target="_blank">19111657, PubMed: [19589784](http://www.uniprot.org/citations/19589784) target="_blank">19589784)

target="_blank">19589784, PubMed:28437106). Also mediates monoubiquitination of FANCL and FANCI (PubMed:16916645, PubMed:17938197, PubMed:19111657, PubMed:19589784). May contribute to ubiquitination and degradation of BRCA1 (PubMed:19887602). In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11', 'Lys-27', 'Lys-48' and 'Lys-63'-linked polyubiquitination (PubMed:20061386).

Cellular Location

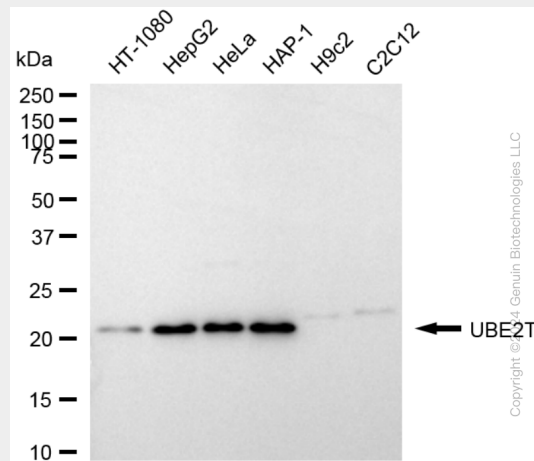
Nucleus. Note=Accumulates to chromatin

KD-Validated Anti-UBE2T Rabbit Monoclonal Antibody - Protocols

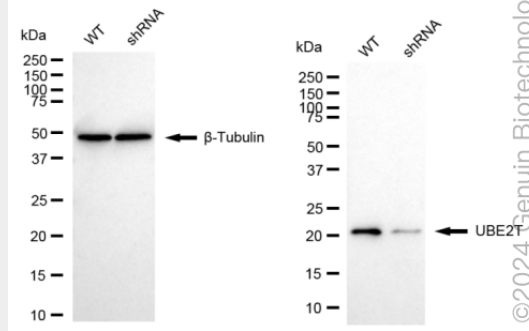
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

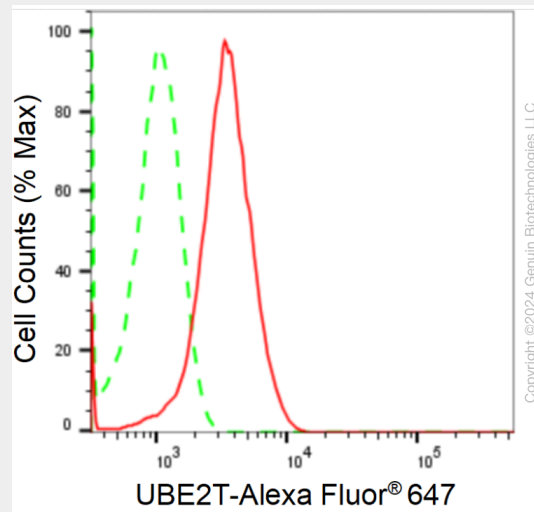
KD-Validated Anti-UBE2T Rabbit Monoclonal Antibody - Images



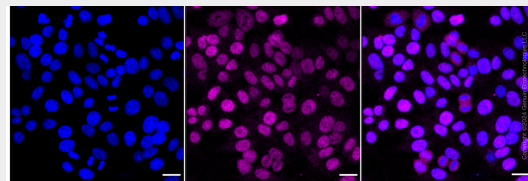
Western blotting analysis using anti-UBE2T antibody (Cat#AGI1729). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-UBE2T antibody (Cat#AGI1729, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-UBE2T antibody (Cat#AGI1729). UBE2T expression in wild type (WT) and UBE2T shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-UBE2T antibody (Cat#AGI1729, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of UBE2T expression in HepG2 cells using anti-UBE2T antibody (Cat#AGI1729, 1:2,000). Green, isotype control; red, UBE2T.



Immunocytochemical staining of HepG2 cells with anti-UBE2T antibody (Cat#AGI1729, 1:1,000). Nuclei were stained blue with DAPI; UBE2T was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.